

and tight, metallic bulkhead. Stowage in a shelter or 'tween deck is not considered to be "on deck". A barge that is vented to the atmosphere and is stowed on deck on a barge-carrying ship is considered to be "on deck". When an entry in §172.101 of this subchapter requires "on-deck" stowage and is qualified by the requirement "protected from sources of heat", the stowage must be protected from the direct rays of the sun by means of structural erections or awnings except that such protection is not required for shipment in portable tanks.

(c) To qualify as "under deck" stowage, the location must be in a hold or compartment below the weather deck capable of being ventilated and allotted entirely to the carriage of cargo. It must be bounded by permanent steel decks and bulkheads or the shell of the vessel. The deck openings must have means for effectively closing the hold or compartment against the weather, and in the case of superimposed holds, for effectively closing off each hold. A hold or compartment containing a crew passage formed by battens or by mesh or wire screen bulkhead may not be used for the stowage of any hazardous material unless a watchman is provided for this area.

(d) To qualify as "under deck away from heat", the location must be under deck and have built-in means for ventilation. If it is subject to heat from any artificial source, it only qualifies for the stowage of those hazardous materials for which "under deck" stowage is authorized.

(e) Notwithstanding the stowage provisions given in the table in §172.101 of this subchapter, empty packages containing residue, including IBCs and large packages, may be stowed "on deck" or "under deck" in a mechanically ventilated cargo space. However, empty pressure receptacles containing residue that carry a label of class 2.3 must be stowed "on deck" and waste aerosols must be stowed in accordance with the table in §172.101 of this subchapter.

(f) *Stowage of containers on board hatchless container ships.* (1) Containers holding a hazardous material may be stowed in or vertically above a

hatchless container hold if the following conditions are met:

(1) All hazardous materials are permitted for *under deck* stowage as specified in the Table in §172.101 of this subchapter; and

(2) The hatchless container hold is in full compliance with the provisions of SOLAS, Chapter II-2/Regulation 19 (IBR; *see* §171.7 of this subchapter), applicable to enclosed container cargo spaces, as appropriate for the cargo transported.

[Amdt. 176-1, 41 FR 16110, Apr. 15, 1976, as amended by Amdt. 176-1A, 41 FR 40687, Sept. 20, 1976; Amdt. 176-1B, 41 FR 57072, Dec. 30, 1976; Amdt. 176-12, 45 FR 81572, Dec. 11, 1980; 66 FR 33438, June 21, 2001; 66 FR 45184, Aug. 28, 2001; 68 FR 45038, July 31, 2003; 69 FR 76180, Dec. 20, 2004; 76 FR 3384, Jan. 19, 2011; 78 FR 1094, Jan. 7, 2013]

§ 176.65 Alternative stowage procedures.

When a hazardous material is to be loaded on board a vessel and it is shown to the satisfaction of the Coast Guard Captain of the Port for the place where the vessel is being loaded that it is impracticable to comply with a stowage location requirement specified in the §172.101 table of this subchapter or a segregation, handling or stowage requirement specified in this part, the Captain of the Port may authorize in writing the use of an alternative stowage location or method of segregation, handling or stowage subject to such conditions as he finds will insure a level of safety at least equal to that afforded by the regulatory requirement concerned.

[Amdt. 176-30, 55 FR 52689, Dec. 21, 1990]

§ 176.69 General stowage requirements for hazardous materials.

(a) Hazardous materials (except as provided in paragraph (c) of this section and Class 9 (miscellaneous hazardous) materials) must be stowed in a manner that will facilitate inspection during the voyage, their removal from a potentially dangerous situation, and the removal of packages in case of fire.

(b) Each package marked in accordance with §172.312(a)(2) of this subchapter must be stowed as to remain in the position indicated during transportation.